



**REQUEST FOR FILING AN ORIGINAL UTILITY PATENT APPLICATION**  
**UNDER 37 CFR 1.53(b)**



Attorney Docket No.: 57983.000131  
Client Reference No.: 15901ROUS01U

Inventor(s): Robert SHEFFIELD et al.

Title: "REDUCED CIRCUIT TRACE ROUGHNESS FOR IMPROVED SIGNAL  
PERFORMANCE"

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is a request for filing an original utility patent application under 37 CFR 1.53(b).

- [X] 21 pages of specification, claims, and abstract are attached.
- [X] 4 sheets of drawings are attached.
- [X] A Declaration Document is attached.
- [X] A Power of Attorney Document is attached.
- [X] An Assignment Document along with an Assignment Recordation Form Cover Sheet are attached.
- [ ] A Certified Copy of \_\_\_\_\_ is attached.
- [ ] A Preliminary Amendment is attached.
- [X] An Information Disclosure Statement, Form PTO-1449, and seven (7) reference(s) are attached.
- [X] A Request and Certification under 35 U.S.C. § 122(b)(2) is attached.
- [ ] This Original Utility Patent Application is entitled to Small Entity Status.

- [X] The filing fee is calculated below on the basis of the claims existing in this application, as amended in any accompanying preliminary amendment (if applicable):

	# of Claims		Extra Claims	Rate	Fee
Total Claims	18	Minus 20	0	x \$18.00	\$ 0.00
Independent Claims	3	Minus 3	0	x \$84.00	\$ 0.00
Basic Application Fee					\$ 750.00
If multiple dependent claims are present, add \$280.00					\$ 0.00
Subtotal					\$ 750.00
Subtract ½ if Small Entity					\$ 0.00
Total Application Fee					\$ 750.00
Assignment Recordation Fee					\$ 40.00
TOTAL FEE DUE					\$ 790.00

- [ ] Please charge Deposit Account No. 50-0206 in the amount of \$.00 for the above-indicated fees. A duplicate copy of this transmittal is submitted herewith.
- [X] The Commissioner is hereby authorized to charge any shortage in fees under 37 CFR 1.16 associated with the filing of this application, or credit any overpayment, to Deposit Account No. 50-0206. A duplicate copy of this transmittal is submitted herewith.
- [X] The Commissioner is hereby authorized to charge any shortage in fees under 37 CFR 1.16 and 1.17 which are required during the pendency of this application, or credit any overpayment, to Deposit Account No. 50-206. This authorization does not include any issue fees under 37 CFR 1.18. A duplicate copy of this transmittal is submitted herewith.

[X] Address all future communications to:

Thomas E. Anderson  
Hunton & Williams LLP  
1900 K Street, N.W.  
Washington, D.C. 20006-1109

[X] A return receipt postcard is submitted herewith.

[X] Also attached: Check No. 2057821 in the amount of \$790.00.

Respectfully submitted,

Hunton & Williams LLP

By: 

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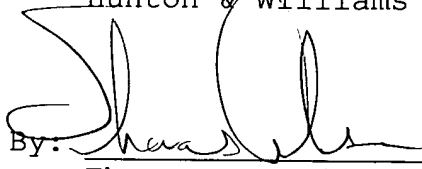
Date: September 23, 2003



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